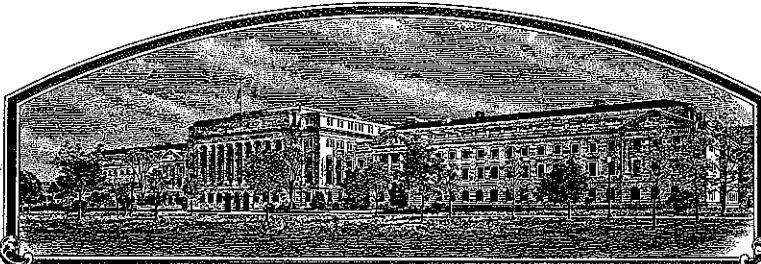


No.

200400156



# THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

## California Planting Cotton Seed Distributors

Whereas, THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC FULFILLMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR PROPAGATING IT, OR EXPORTING IT, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE ABOVE PURPOSES, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE ABOVE PURPOSES, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT PROVIDED IN THE PLANT VARIETY PROTECTION ACT. IN THE UNITED STATES SEED OF THIS VARIETY (1) SHALL BE IDENTIFIED BY VARIETY NAME ONLY AS A CLASS OF CERTIFIED SEED AND (2) SHALL CONFORM TO THE NUMBER OF SEEDS SPECIFIED BY THE OWNER OF THE RIGHTS. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

COTTON

'Platinum Pima'

In Testimony Whereof, I have hereunto set my hand and caused the seal of the Plant Variety Protection Office to be affixed at the City of Washington, D.C. this twenty-sixth day of July, in the year two thousand and five.

Attest:

Commissioner  
Plant Variety Protection Office  
Agricultural Marketing Service

Secretary of Agriculture

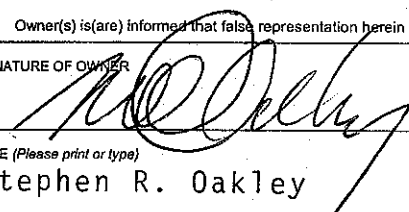


U.S. DEPARTMENT OF AGRICULTURE  
AGRICULTURAL MARKETING SERVICE  
SCIENCE AND TECHNOLOGY - PLANT VARIETY PROTECTION OFFICE

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE  
(Instructions and information collection burden statement on reverse)

The following statements are made in accordance with the Privacy Act of 1974 (5 U.S.C. 552a) and the Paperwork Reduction Act (PRA) of 1995.

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). Information is held confidential until certificate is issued (7 U.S.C. 2426).

1. NAME OF OWNER <b>California Planting Cotton Seed Distributors</b>		2. TEMPORARY DESIGNATION OR EXPERIMENTAL NAME <b>E104</b>	3. VARIETY NAME <b>Platinum Pima</b>
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP Code, and Country) <b>PO Box 80357 Bakersfield, CA 93380.0357</b>		5. TELEPHONE (include area code) <b>(661) 399-1400</b>	<b>FOR OFFICIAL USE ONLY</b> <b>PVPO NUMBER 200400156</b> <b>FILING DATE March 11, 2004</b> <b>FILING AND EXAMINATION FEES: \$3652.00</b> <b>DATE 3/11/2004</b> <b>CERTIFICATION FEE: \$432.00</b> <b>DATE 6/1/05</b>
6. FAX (include area code) <b>(661) 399-3169</b>		9. DATE OF INCORPORATION <b>May 13, 1936</b>	
7. IF THE OWNER NAMED IS NOT A "PERSON", GIVE FORM OF ORGANIZATION (corporation, partnership, association, etc.) <b>Corporation</b>	8. IF INCORPORATED, GIVE STATE OF INCORPORATION <b>California</b>	10. NAME AND ADDRESS OF OWNER REPRESENTATIVE(S) TO SERVE IN THIS APPLICATION. (First person listed will receive all papers) <b>Stephen R. Oakley 30597 Jack Avenue Shafter, CA 93263</b>	
11. TELEPHONE (include area code) <b>(661) 746-3366</b>	12. FAX (include area code) <b>(661) 746-6905</b>	13. E-MAIL <b>sroakley@cpcsd.com</b>	14. CROP KIND (Common Name) <b>Pima cotton</b>
15. GENUS AND SPECIES NAME OF CROP <b>Gossypium barbadense L.</b>		16. FAMILY NAME (Botanical) <b>Malvaceae</b>	17. IS THE VARIETY A FIRST GENERATION HYBRID? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
18. CHECK APPROPRIATE BOX FOR EACH ATTACHMENT SUBMITTED (Follow instructions on reverse) a. <input checked="" type="checkbox"/> Exhibit A. Origin and Breeding History of the Variety b. <input checked="" type="checkbox"/> Exhibit B. Statement of Distinctness c. <input checked="" type="checkbox"/> Exhibit C. Objective Description of Variety d. <input checked="" type="checkbox"/> Exhibit D. Additional Description of the Variety (Optional) e. <input checked="" type="checkbox"/> Exhibit E. Statement of the Basis of the Owner's Ownership f. <input checked="" type="checkbox"/> Voucher Sample (2,500 viable untreated seeds or, for tuber propagated varieties, verification that tissue culture will be deposited and maintained in an approved public repository) g. <input checked="" type="checkbox"/> Filing and Examination Fee (\$3,652), made payable to "Treasurer of the United States" (Mail to the Plant Variety Protection Office)		19. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE SOLD AS A CLASS OF CERTIFIED SEED? See Section 83(a) of the Plant Variety Protection Act <input checked="" type="checkbox"/> YES (If "yes", answer items 20 and 21 below) <input type="checkbox"/> NO (If "no", go to item 22)	
		20. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF CLASSES? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO IF YES, WHICH CLASSES? <input type="checkbox"/> FOUNDATION <input type="checkbox"/> REGISTERED <input type="checkbox"/> CERTIFIED	
		21. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF GENERATIONS? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO IF YES, SPECIFY THE NUMBER 1,2,3, etc. FOR EACH CLASS. <input type="checkbox"/> FOUNDATION <input type="checkbox"/> REGISTERED <input type="checkbox"/> CERTIFIED (If additional explanation is necessary, please use the space indicated on the reverse.)	
22. HAS THE VARIETY (INCLUDING ANY HARVESTED MATERIAL) OR A HYBRID PRODUCED FROM THIS VARIETY BEEN SOLD, DISPOSED OF, TRANSFERRED, OR USED IN THE U. S. OR OTHER COUNTRIES? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF YES, YOU MUST PROVIDE THE DATE OF FIRST SALE, DISPOSITION, TRANSFER, OR USE FOR EACH COUNTRY AND THE CIRCUMSTANCES. (Please use space indicated on reverse.)		23. IS THE VARIETY OR ANY COMPONENT OF THE VARIETY PROTECTED BY INTELLECTUAL PROPERTY RIGHT (PLANT BREEDER'S RIGHT OR PATENT)? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO IF YES, PLEASE GIVE COUNTRY, DATE OF FILING OR ISSUANCE AND ASSIGNED REFERENCE NUMBER. (Please use space indicated on reverse.)	
24. The owners declare that a viable sample of basic seed of the variety has been furnished with application and will be replenished upon request in accordance with such regulations as may be applicable, or for a tuber propagated variety a tissue culture will be deposited in a public repository and maintained for the duration of the certificate. The undersigned owner(s) is(are) the owner of this sexually reproduced or tuber propagated plant variety, and believe(s) that the variety is new, distinct, uniform, and stable as required in Section 42, and is entitled to protection under the provisions of Section 42 of the Plant Variety Protection Act. Owner(s) is(are) informed that false representation herein can jeopardize protection and result in penalties.			
SIGNATURE OF OWNER 		SIGNATURE OF OWNER	
NAME (Please print or type) <b>Stephen R. Oakley</b>		NAME (Please print or type)	
CAPACITY OR TITLE <b>Vice President, Director of R&amp;D</b>	DATE <b>Feb 29, 2004</b>	CAPACITY OR TITLE	DATE

## INSTRUCTIONS

**GENERAL:** To be effectively filed with the Plant Variety Protection Office (PVPO), **ALL** of the following items must be received if the PVPO: (1) Completed application form signed by the owner; (2) completed exhibits A, B, C, E; (3) for a seed reproduced variety, at least 2,500 viable untreated seeds, for a hybrid variety at least 2,500 untreated seeds of each line necessary to reproduce the variety, or for tuber reproduced varieties verification that a viable (in the sense that it will reproduce an entire plant) tissue culture will be deposited and maintained in an approved public repository; (4) check drawn on a U.S. bank for \$3,652 (\$432 filing fee and \$3,220 examination fee), payable to "Treasurer of the United States" (See Section 97.6 of the Regulations and Rules of Practice.) Partial applications will be held in the PVPO for not more than 90 days, then returned to the applicant as unfilled. Mail application and other requirements to Plant Variety Protection Office, AMS, USDA, Room 401, NAL Building, 10301 Baltimore Avenue, Beltsville, MD 20705-2351. **Retain one copy for your files.** All items on the face of the application are self explanatory unless noted below. Corrections on the application form and exhibits must be initialed and dated. **DO NOT** use masking materials to make corrections. If a certificate is allowed, you will be requested to send a check payable to "Treasurer of the United States" in the amount of \$432 for issuance of the certificate. Certificates will be issued to owner, not licensee or agent.

## Plant Variety Protection Office

Telephone: (301) 504-5518

FAX: (301) 504-5291

Homepage: <http://www.ams.usda.gov/science/pvpo/pvp.htm>

## ITEM

- 18a. Give: (1) the genealogy, including public and commercial varieties, lines, or clones used, and the breeding method; (2) the details of subsequent stages of selection and multiplication; (3) evidence of uniformity and stability; and (4) the type and frequency of variants during reproduction and multiplication and state how these variants may be identified
- 18b. Give a summary of the variety's distinctness. Clearly state how this application variety may be distinguished from all other varieties in the same crop. If the new variety is most similar to one variety or a group of related varieties:
- (1) identify these varieties and state all differences objectively;
  - (2) attach statistical data for characters expressed numerically and demonstrate that these are clear differences; and
  - (3) submit, if helpful, seed and plant specimens or photographs (prints) of seed and plant comparisons which clearly indicate distinctness.
- 18c. Exhibit C forms are available from the PVPO Office for most crops; specify crop kind. Fill in Exhibit C (Objective Description of Variety) form as completely as possible to describe your variety.
- 18d. Optional additional characteristics and/or photographs. Describe any additional characteristics that cannot be accurately conveyed in Exhibit C. Use comparative varieties as is necessary to reveal more accurately the characteristics that are difficult to describe, such as plant habit, plant color, disease resistance, etc.
- 18e. Section 52(5) of the Act requires applicants to furnish a statement of the basis of the applicant's ownership. An Exhibit E form is available from the PVPO.
19. If "Yes" is specified (*seed of this variety be sold by variety name only, as a class of certified seed*), the applicant **MAY NOT** reverse this affirmative decision after the variety has been sold and so labeled, the decision published, or the certificate issued. However, if "No" has been specified, the applicant may change the choice. (See Regulations and Rules of Practice, Section 97.103).
22. See Sections 41, 42, and 43 of the Act and Section 97.5 of the regulations for eligibility requirements.
23. See Section 55 of the Act for instructions on claiming the benefit of an earlier filing date.

**21. CONTINUED FROM FRONT** (Please provide a statement as to the limitation and sequence of generations that may be certified.)

**22. CONTINUED FROM FRONT** (Please provide the date of first sale, disposition, transfer, or use for each country and the circumstances, if the variety (including any harvested material) or a hybrid produced from this variety has been sold, disposed of, transferred, or used in the U.S. or other countries.)

Platinum Pima was first sold in California, U.S.A., on April 25, 2003.

**23. CONTINUED FROM FRONT** (Please give the country, date of filing or issuance, and assigned reference number, if the variety or any component of the variety is protected by intellectual property right (Plant Breeder's Right or Patent).)

**NOTES:** It is the responsibility of the applicant/owner to keep the PVPO informed of any changes of address or change of ownership or assignment or owner's representative during the life of the application/certificate. There is no charge for filing a change of address. The fee for filing a change of ownership or assignment or any modification of owner's name is specified in Section 97.175 of the regulations. (See Section 101 of the Act, and Sections 97.130, 97.131, 97.175(h) of the Regulations and Rules of Practice.)

To avoid conflict with other variety names in use, the applicant must check the appropriate recognized authority. For example, for agricultural and vegetable crops, contact: Seed Branch, AMS, USDA, Room 213, Building 306, Beltsville Agricultural Research Center--East, Beltsville, MD 20705. Telephone: (301) 504-8089. <http://www.ams.usda.gov/lsg/seed.htm>

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 3.0 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, gender, religion, age, disability, sexual orientation, marital or family status, political beliefs, parental status, or protected genetic information. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at 202-720-2600 (voice and TDD).

To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326-W, Whitten Building, 14th and Independence Avenue, SW, Washington, DC 20250-9410 or call 202-720-5964 (voice and TDD). USDA is an equal opportunity provider and employer.

ST-470 (02-10-2003) designed by the Plant Variety Protection Office with Word 2000. Replaces former versions of ST-470, which are obsolete.

## Exhibit A. Origin and Breeding History - Platinum Pima

Platinum Pima is a variety of cotton developed from the cross P82 x P94 made in 1989 at the CPCSD Cotton Research and Development Station, Shafter, California. The parents P82 and P94 were developed from selections for agronomic performance and adaptation to San Joaquin Valley soils in the commercial Pima varieties Pima S-7 and Pima S-6, respectively, 1989. Pima S-6 and Pima S-7 are cotton varieties developed and released by the United States Department of Agriculture, Agricultural Research Service, Maricopa, Arizona, Pima breeding program. Pima S-6 was developed from the cross 5934-23-2-6 x 5903-98-4-4, while Pima S-7 was derived from the cross 6614-91-93 x 6907-513-509-501. The background of these lines are detailed by Calhoun, et al. (Calhoun, D.S., D.T. Bowman, and O.L. May, 1994, Pedigree of Upland and Pima Cotton Cultivars Released Between 1970 and 1990, MAFES Bulletin 1017, Mississippi State University, MS 39762).

### Details of Selection

Seed from the cross P82 x P94 were planted in the 1990 CPCSD Pima nursery as an F<sub>1</sub> population and subsequently planted in 1991 as an F<sub>2</sub> row, which was bulk harvested. In 1992 the F<sub>3</sub> seed was bulk harvested and subsequently planted in 1994 as an F<sub>4</sub> population. A pedigree selection procedure (plant to row basis) followed. Individual plants were each selected on the basis of agronomic characteristics, yield potential, and fiber properties. This process continued until 1997 when F<sub>8</sub> seed from row W1377 was bulk harvested and entered into the 1998 CPCSD Pima testing program. The line W1377 was entered into the 2000 SJVCB Pima testing program as E104. In March 2003 E104 will be a candidate for release, and E104 was renamed Platinum Pima.

### Variants and Stability

CPCSD Platinum Pima is now into its sixth season of evaluation and large scale testing and no variants have been observed. The performance of Platinum Pima has been uniform and stable.

### Population Size for Selection

Population	Approximate Number of Individuals
F <sub>1</sub>	180
F <sub>2</sub>	2000
F <sub>3</sub> - F <sub>7</sub>	60

**Exhibit A. Origin and Breeding History - Platinum Pima**

<u>Year</u>	<u>Event</u>	<u>Generation</u>
1989	Cross: P82 x P89 Pedigree: Pima S-7 selection = SP9 = P82 Pima S-6 selection = SP19 = P19	
1990	Increased as F1-107	F <sub>1</sub>
1991	F1-107 planted as row W75	F <sub>2</sub>
1992	Row W75 planted as row W375	F <sub>3</sub>
1993	----	
1994	Row W375 planted as row W585	F <sub>4</sub>
1995	Plant selection W585-10 planted as row W756	F <sub>5</sub>
1996	Plant selection W756-1 planted as row W1070	F <sub>6</sub>
1997	Plant selection W1070-2 planted as row W1377, and row W1377 was bulk harvested as a progeny row	F <sub>7</sub>
1998-99	W1377 tested in CPCSD Pima testing program	
2000-02	W1377 entered into 2000 SJVCB Pima testing program as as E104.	
2003	E104 designated Platinum Pima	

200400156  
REPLACEMENT 5/6/04  
WHL

## Exhibit B. Statement of Distinctness - Platinum Pima

The San Joaquin Valley (SJV) of California is a state regulated cotton district that requires Pima cotton varieties be evaluated by the San Joaquin Valley Cotton Board (SJVCB) in comparison with the SJV Pima Standard, Pima S-7. Platinum Pima is most similar to Pima S-7.

The StarLab fiber quality summary for 2002 SJVCB Pima tests are presented in Exhibit B Table 1. These data show that Platinum is a novel Pima cotton variety due to its lower micronaire and yarn strengths compared to Pima S-7.

**Exhibit B Table 1. 2002 SJVCB Pima Test  
- Summary of Four California Locations**

Variety	HVI	Fibronaire	Yarn Stren	Yarn Ten
	Micronaire	Micronaire	Card 22's lbs/tex	Card 22's cn/tex
<b>S-7</b>	<b>3.94</b>	<b>3.90</b>	<b>194.0</b>	<b>199.7</b>
<b>Platinum</b>	<b>3.78</b>	<b>3.63</b>	<b>188.8</b>	<b>194.4</b>
LSD.05	0.1	0.11	4.1	4.3
CV	2.7	3	2.2	2.2

U.S. DEPARTMENT OF AGRICULTURE  
PLANT VARIETY PROTECTION OFFICE, AMS, USDA  
NATIONAL AGRICULTURAL LIBRARY Bldg., Rm. 400  
10301 BALTIMORE Blvd.  
BELTSVILLE, MD 20705

OBJECTIVE DESCRIPTION OF VARIETY  
COTTON (*Gossypium* spp.)

NAME OF APPLICANT(S)  <b>California Planting Cotton Seed Distributors</b>	TEMPORARY DESIGNATION  <b>E104</b>	VARIETY NAME  <b>Platinum Pima</b>
ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP Code)  <b>PO Box 80357 Bakersfield, CA 93380-0357</b>		FOR OFFICIAL USE ONLY PVPO NUMBER  <div style="font-size: 1.5em; font-weight: bold;">200400156</div>

Place the appropriate data that describes the varietal characteristic of this variety in the space provided. Characteristics described, including numerical measurements, should represent those that are typical for the variety. Royal Horticultural Society or any recognized color fan may be used to determine plant colors. Characters marked with an asterisk \* indicate necessary characters to be measured.

SPECIFIC VARIETIES USED FOR COMPARISON AS CHECK VARIETIES IN THIS APPLICATION: Use standard regional check varieties which are adapted to your area. One of the comparison varieties must be the most similar variety used in Exhibit B.

Variety 1. Pima S-7      Variety 2. \_\_\_\_\_      Variety 3. \_\_\_\_\_

\*1. SPECIES:

\_\_\_\_\_ *G. hirsutum* L.      X *G. barbadense* L.

\*2. AREA(S) OF ADAPTATION: (A=Adapted, NA= Not Adapted, NT= Not Tested)

_____ Eastern	_____ Delta	_____ Central	_____ Blacklands
_____ Plains	_____ Western	_____ Arizona	<u>X</u> San Joaquin
_____ Other (Specify): _____			

3. GENERAL: Characteristics which are known to be variable but are still useful for a meaningful description of the variety.

	<b>Platinum</b>	<b>S-7</b>		
	Application Variety	Comparison Variety 1	Comparison Variety 2	Comparison Variety 3
<b>Plant Habit:</b> Spreading, Intermediate, Compact	I	I		
<b>Foliage:</b> Sparse, Intermediate, Dense	D	D		
<b>Stem Lodging:</b> Lodging, Intermediate, Erect	E	E		
<b>Fruiting Branch:</b> Clustered, Short, Normal	N	N		
<b>Growth:</b> Determinate, Intermediate, Indeterminate	Intermed	Intermed		
<b>Leaf Color</b> Greenish yellow, Light green, Medium green, Dark green	MG	MG		

200400156

EXHIBIT C  
COTTON

## 3. GENERAL:

Platinum

S-7

**Boll Shape:** Length LESS than  
width, Length EQUAL to width,  
Length MORE than width

More

More

**Boll Breadth:** Broadest at base,  
Broadest at middle

BASE

BASE

## \*4. MATURITY: (Days for 50% Open bolls from sequential harvest dates.)

Days for 50% Open Bolls

154

160

## 5. PLANT:

**Cm to 1st Fruiting Branch:**

(from cotyledonary node)

21.8

24.3

**No. of Nodes to 1st Fruiting****Branch:**

(excluding cotyledonary node)

6.1

7.1

**Mature Plant Height cm:**

(from cotyledonary node to terminal)

101.1

102.8

## \*6. LEAF

**Type:** Normal Sub Okra, Okra,

Super Okra

N

N

**Pubescence:** Absent, Sparse, Medium,

Dense OR Trichomes/cm<sup>2</sup> (Bottom  
surface excluding veins)

D

D

**Nectaries:** Present or Absent

P

P

## \*7. STEM PUBESCENCE:

Glabrous, Intermediate, Hairy

G

G

## \*8. GLANDS: (Gossypol) Absent, Sparse, Normal, More Than Normal

**Leaf:**

N

N

**Stem:**

N

N

**Calyx Lobe:** (normal is absent)

A

A

## \*9. FLOWER

**Petals:** Cream, Yellow

Y

Y

**Pollen:** Cream, Yellow

Y

Y

**Petal Spot:** Present, Absent

P

P

## \*10. SEED

**Seed Index:**

(g/100 seed, fuzzy basis)

12.4

12.5

**Lint Index:**

(g lint/100 seeds)

8.03

7.82



## \*11. BOLL

	Platinum	S-7		
Lint Percent:				
<u>X</u> Picked				
Pulled	39.3	39.8		
OR				
Gin Turnout:				
<u>X</u> Picked				
Stripped	34.1	33.5		
Number of Seeds per Boll	19	18		
Grams Seed per Boll	3.8	3.6		
Number Locules per Boll	3	3		
Boll Type:				
(Stormproof, Storm Resistant, Open)	Open	Open		

## 12. FIBER PROPERTIES

Specify Method (HVI or other):

Individual Instruments

* Length: (inches, 2.5% SL)	1.353	1.376		
* Uniformity: (%)	47.7	48.9		
* Strength, T1 (g/tex) stelometer	33.2	33.9		
* Elongation, E1 (%)	8.36	7.54		
* Micronaire:	3.91	3.96		
Fineness (Source _____)				
Yarn Tenacity: (cN/tex, 27 tex)				
Yarn Strength (lbs. 22's)	174.8	177.0		

## 13. DISEASES: (NT=Not Tested, S= Susceptible, MS=Moderately Susceptible, MR=Moderately Resistant, R=Resistant)

<u>NT</u> <i>Alternaria macrospora</i>	<u>S</u> Fusarium Wilt
<u>NT</u> Anthracnose	<u>NT</u> Phymatotrichum Root Rot
<u>NT</u> Ascochyta Blight	<u>NT</u> <i>Pythium</i> (specify species)
<u>NT</u> Bacterial Blight (Race 1)	<u>NT</u> <i>Rhizoctonia solani</i>
<u>NT</u> Bacterial Blight (Race 2)	<u>NT</u> Southwestern Cotton Rust
<u>NT</u> Bacterial Blight ( Race )	<u>NT</u> Thielaviopsis basicola
<u>NT</u> Diplodia Boll Rot	<u>MR</u> Verticillium Wilt
<u>NT</u> Other (specify )	

14. NEMATODES, INSECTS AND PESTS: (NT=Not tested, S=Susceptible, MS= Moderately Susceptible, MR=Moderately Resistant,

R= Resistant

<u>NT</u>	Root-Knot Nematode	<u>NT</u>	Reniform Nematode
<u>NT</u>	Boll Weevil	<u>NT</u>	Grasshopper (specify species):
<u>NT</u>	Bollworm	<u>NT</u>	Lygus (specify species):
<u>NT</u>	Cotton Aphid	<u>NT</u>	Pink Bollworm
<u>NT</u>	Cotton Fleahopper	<u>NT</u>	Spider Mite (specify species): _____
<u>NT</u>	Cotton Leafworm	<u>NT</u>	Stink Bug
<u>NT</u>	Cutworm (specify species): _____	<u>NT</u>	Thrips (specify species): _____
<u>NT</u>	Fall Armyworm	<u>NT</u>	Tobacco Bud Worm
<u>NT</u>	Other (specify): _____		

15. COMMENTS: Present any additional information that cannot adequately be described in 1 through 13 which significantly distinguishes your variety.

Exhibit D Table 2. Pima quality summary for the SJV Cotton Board, 2000-2002

No. Data source	Variable name	S-7	Platinum	CV
<u>Yield data</u>				
<b>1. Lint Yield</b>				
OFVT	Lint yield	1257* a	1224 a	6
Gin	Gin turn out	31.7 b	32.1 a	3
<u>Fiber data</u>				
<b>2. Length</b>				
ITC	Length	1.372 a	1.349 b	1
ITC	Mean length weight	1.231 a	1.191 b	2
ITC	Upper quartile length	1.470 a	1.425 b	2
SL	Fifty pct span length	0.667 a	0.668 a	4
SL	Length	1.340 a	1.333 a	1
SL	Twofive pct span length	1.401 a	1.388 b	2
<b>3. Uniformity</b>				
ITC	Short fiber weight	4.1 a	4.4 a	15
ITC	Uniformity index ml uhml	86.5 a	86.0 b	1
SL	Uniformity index ml uhml	87.9 a	87.7 a	1
SL	Uniformity ratio	47.6 a	48.1 a	3
<b>4. Strength</b>				
ITC	Strength	41.0 a	40.7 a	3
SL	Strength hvi	46.6 a	44.2 b	6
SL	Strength stelo	32.0 a	31.3 a	5
SL	Tenacity	31.3 a	30.7 a	5
<b>5. Elongation</b>				
ITC	Elongation	5.3 b	6.2 a	4
SL	Elongation hvi	9.6 a	9.6 a	4
SL	Elongation stelo	7.8 b	8.3 a	9
<b>6. Micronaire</b>				
ITC	Micronaire	3.84 a	3.63 b	3
SL	Micronaire fibro	3.93 a	3.71 b	4
SL	Micronaire hvi	3.93 a	3.80 b	4
<b>7. Fineness</b>				
ITC	Standard fineness	161.3 a	158.8 b	2
SL	Perimeter	40.5 a	40.1 b	7
<b>8. Maturity</b>				
ITC	Maturity ratio	0.94 a	0.93 b	1
SL	Pct maturity	90.2 a	87.8 a	5
<b>9. Color</b>				
ITC	Color grade	1.8 a	1.4 b	2
ITC	Reflectance	68.2 a	69.6 b	1
ITC	Yellowness	11.9 a	12.0 a	2
SL	Color grade	4.0 a	3.4 b	14
SL	Reflectance	65.0 b	66.8 a	2
SL	Yellowness	10.44 a	10.31 a	5
<b>10. Contamination</b>				
ITC	Fiber nep number	203.3 a	220.8 a	26
ITC	Leaf grade	2.5 b	2.08 a	23
ITC	Seed coat nep number	18.9 a	15.4 a	106
ITC	Total foreign matter	2.89 a	2.68 a	17
ITC	Total sticky deposit	13.1 a	10.7 a	29
ITC	Visible foreign matter sa	1.99 a	1.76 a	22

Exhibit D Table 2. (continued) Pima quality summary for the SJV Cotton Board, 2000-2002

No.	Data source	Variable name	S-7	Platinum	CV
<u>Yarn Data</u>					
<b>11. Comber waste</b>					
ITC	Noils		16.19 a	17.16 b	3
<b>12. Strength</b>					
ITC	Count str product comb 50		4108 a	3917 b	2
ITC	Count str product comb 80		3594 a	3421 b	2
ITC	Skein break comb 50		82.3 a	79.8 b	3
ITC	Skein break comb 80		45.3 a	43.0 b	2
ITC	Tenacity comb 50		26.1 a	24.8 b	2
ITC	Tenacity comb 80		24.6 a	23.4 b	2
SL	Yarn strength card 22		184 a	180 b	3
SL	Yarn tenacity card 22		189 a	186 b	3
<b>13. Single yarn elongation</b>					
ITC	Elongation comb 50		5.84 b	6.32 a	2
ITC	Elongation comb 80		5.45 b	5.79 a	2
<b>14. Neps/100m</b>					
ITC	Neps 200 comb 50		126.2 a	126.5 a	16
ITC	Neps 200 comb 80		290.5 a	276.8 a	13
<b>15. Yarn evenness</b>					
ITC	Cv comb 50		13.6 a	13.6 a	2
ITC	Cv comb 80		15.3 a	15.2 a	1
ITC	Thick places comb 50		49.5 a	50.4 a	17
ITC	Thick places comb 80		140.6 a	135.4 a	11
ITC	Thin places comb 50		4.0 a	4.0 a	36
ITC	Thin places comb 80		29.2 a	28.5 a	20
<b>16. Yarn appearance</b>					
ITC	Hairiness comb 50		3.26 a	3.23 a	2
ITC	Hairiness comb 80		2.75 a	2.74 a	5
<b>17. Contamination</b>					
ITC	Seed coat fragment comb 50		1105 a	1360 a	44
<u>Seed Data</u>					
<b>18. Seed quality</b>					
WT	Grade		117.5 a	119.2 a	3
WT	Pct ammonia nh3		4.62 a	4.67 a	5
WT	Pct free fatty acids		1.93 a	1.53 a	26
WT	Pct free gossypol		0.91 a	0.74 b	8
WT	Pct linters		2.48 a	2.53 a	30
WT	Pct oil		21.9 a	21.8 a	3

\*Numbers in columns followed by different letters are significantly different at the 0.05 level.

Data Source Codes:

OFVT = On Farm Variety Trials

ITC = International Textile Center, Lubbock, TX

SL = StarLab, Knoxville, TN

WT = Woodson Tenent, Des Moines, IA

## 2002 San Joaquin Valley Cotton Board Pima Test Summary - StarLab Data

No.	Variety	HVI								Ir
		Length	Uniformity	Uniformity Ratio	Strength	Elongation	Micronaire	Micronaire fibro	Elongation stelo	Strength stelo
1.	BR-007	1.350	88.7	48.0	47.4	9.54	3.95	3.78	8.44	32.0
2.	E-101	1.366	89.2	46.6	45.1	9.64	3.85	3.75	9.50	30.4
3.	E-104	1.314	87.1	49.1	46.5	9.83	3.78	3.63	9.31	31.3
4.	E-202	1.318	87.2	47.5	47.8	9.80	3.99	3.87	8.22	32.1
5.	E-501	1.314	87.0	48.2	45.1	9.80	4.00	3.83	9.25	30.0
6.	E-601	1.310	87.6	50.4	48.3	9.99	4.14	3.99	8.81	33.2
7.	HA-195	1.325	87.9	48.5	38.1	9.10	3.86	3.78	10.03	27.8
8.	OA-345	1.344	87.9	47.4	46.9	9.43	3.88	3.81	8.00	33.0
9.	OA-351	1.323	87.3	48.1	48.1	9.61	3.80	3.64	8.19	33.5
10.	OA-353	1.318	87.3	48.5	44.0	9.60	4.00	3.83	8.09	30.9
11.	OA-354	1.348	88.4	48.5	46.9	9.54	3.86	3.73	8.19	31.3
12.	OA-355	1.301	87.1	49.2	47.0	9.85	3.93	3.86	9.28	31.9
13.	PH00P-600	1.355	89.0	47.8	48.2	9.56	3.81	3.69	8.63	31.2
14.	PH00P-601	1.354	88.7	48.3	47.6	9.60	3.69	3.56	8.97	32.3
15.	PHX-P101	1.349	88.7	47.7	48.9	9.85	3.75	3.64	8.47	33.0
16.	S-7	1.335	88.0	47.8	46.7	9.61	3.94	3.90	8.41	32.6
Mean + SD		1.330	88.0	48.2	46.4	9.65	3.89	3.77	8.74	31.7
SD		0.02	1.0	1.8	3.6	0.38	0.21	0.21	0.98	2.2
LSD (0.05)		0.011	0.6	1.4	2.2	0.20	0.10	0.11	0.80	1.5
CV		0.9	0.7	2.9	4.8	2.7	2.7	3.0	9.1	4.9

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## Individual Instruments

	Tenacity	50% SL	2.5% SL	Yarn Stren carded 22's	Yarn Ten carded 22's
1	31.4	0.688	1.434	193.1	198.8
2	29.8	0.677	1.454	187.2	192.7
3	30.7	0.678	1.383	188.8	194.4
4	31.5	0.658	1.385	189.9	195.5
5	29.4	0.669	1.389	185.4	190.9
6	32.5	0.694	1.378	189.0	194.6
7	27.3	0.674	1.391	164.7	169.5
8	32.3	0.669	1.413	189.2	194.8
9	32.9	0.663	1.377	204.1	210.1
10	30.3	0.673	1.388	192.9	198.7
11	30.7	0.692	1.426	188.4	194.0
12	31.2	0.671	1.366	190.3	196.0
13	30.5	0.690	1.444	200.7	206.6
14	31.7	0.696	1.443	200.8	206.8
15	32.4	0.689	1.444	199.9	205.8
16	32.0	0.673	1.408	194.0	199.7
<hr/>					
	31.0	0.68	1.408	191.1	196.8
	2.2	0.0430	0.0430	10.1	10.4
	1.5	0.2220	0.02	4.1	4.3
	4.9	3.3	1.6	2.2	2.2

Exhibit D Table 3. 2002 SJVCB Pima Test - Summary of Four Locations

Variety	Seedcotton	GTO %	Lint Yield lbs/A	HVI Length inches	HVI Elongation %	HVI Uniformity %	HVI Strength g/tex	HVI Micronaire	Fibrograph 2.5% SL inches	Fibrograph 50% SL inches	Uniformity Ratio %	Stelometer Elongation %	Stelometer Strength g/tex	Stelometer Tenacity g/tex	Fibronaire Micronaire	Yarn Stren carded 22's lbs/tex	Yarn Ten carded 22's cn/tex
S-7	4184	31.5	1300	1.335	9.61	88.0	46.7	3.94	1.408	0.673	47.8	8.41	32.6	32.0	3.90	194.0	199.7
Platinum	4196	32.2	1333	1.314	9.83	87.1	46.5	3.78	1.383	0.678	49.1	9.31	31.3	30.7	3.63	188.8	194.4
LSD.05	152	0.4	48	0.011	0.20	0.6	2.2	0.10	0.02	0.2220	1.4	0.80	1.5	1.5	0.11	4.1	4.3
CV	5.0	1.9	5.0	0.9	2.7	0.7	4.8	2.7	1.6	3.3	2.9	9.1	4.9	4.9	3.0	2.2	2.2

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Exhibit D Table 4. 2001 CPCSD Pima Test - Summary of Four Locations

Variety	Seed Cotton Yield (lbs/A)	Lint Yield (lbs/A)	Gin Turn Out (%)	Lint Percent (%)	2.5% span length (in)	Unif. index	T1 (g/tex)	E1	Mic
S-7	3736	1230	33.5	38.4	1.36	0.47	36.1	8.3	4.2
Platinum	3952	1333	34.1	39.3	1.33	0.47	33.8	9.1	3.9
LSD.05	208	91	0.9	0.6	0.02	0.01	1.0	0.4	0.2
CV%	6.3	6.5	1.8	1.4	1.0	1.7	2.4	3.5	3.2



U.S. DEPARTMENT OF AGRICULTURE  
AGRICULTURAL MARKETING SERVICE

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). The information is held confidential until the certificate is issued (7 U.S.C. 2426).

**EXHIBIT E**  
**STATEMENT OF THE BASIS OF OWNERSHIP**

1. NAME OF APPLICANT(S) California Planting Cotton Seed Distributors	2. TEMPORARY DESIGNATION OR EXPERIMENTAL NUMBER E104	3. VARIETY NAME Platinum Pima
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP, and Country) PO Box 80357 Bakersfield, CA 93380-0357	5. TELEPHONE (Include area code) (661) 399-1400	6. FAX (Include area code) (661) 399-3169
7. PVPO NUMBER 206400156		

8. Does the applicant own all rights to the variety? Mark an "X" in the appropriate block. If no, please explain. ☒ YES ☐ NO

9. Is the applicant (individual or company) a U.S. national or a U.S. based company? If no, give name of country. ☒ YES ☐ NO

10. Is the applicant the original owner? ☒ YES ☐ NO If no, please answer one of the following:

a. If the original rights to variety were owned by individual(s), is (are) the original owner(s) a U.S. National(s)?

☐ YES ☐ NO If no, give name of country

b. If the original rights to variety were owned by a company(ies), is (are) the original owner(s) a U.S. based company?

☐ YES ☐ NO If no, give name of country

11. Additional explanation on ownership (Trace ownership from original breeder to current owner. Use the reverse for extra space if needed):

The applicant is the original breeder and current owner of the variety.

The variety was developed from germplasm and seedstocks owned by the applicant, by individuals employed by the applicant, at facilities owned by the applicant, or through contractual arrangements made by the applicant.

**PLEASE NOTE:**

Plant variety protection can only be afforded to the owners (not licensees) who meet the following criteria:

1. If the rights to the variety are owned by the original breeder, that person must be a U.S. national, national of a UPOV member country, or national of a country which affords similar protection to nationals of the U.S. for the same genus and species.
2. If the rights to the variety are owned by the company which employed the original breeder(s), the company must be U.S. based, owned by nationals of a UPOV member country, or owned by nationals of a country which affords similar protection to nationals of the U.S. for the same genus and species.
3. If the applicant is an owner who is not the original owner, both the original owner and the applicant must meet one of the above criteria.

The original breeder/owner may be the individual or company who directed the final breeding. See Section 41(a)(2) of the Plant Variety Protection Act for definitions.

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 0.1 hour per response, including the time for reviewing the instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

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